

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1.-77. (Cancelled).

78. (Currently Amended) A laser light source, comprising:

a distributed feedback type semiconductor laser for emitting laser light;

a semiconductor laser amplifier for amplifying the laser light; and

an optical wavelength conversion element for receiving the amplified laser light so as to generate a harmonic wave, the optical wavelength conversion element having periodic domain inverted structures,

wherein the optical wavelength conversion element is formed of a stable proton exchange layer whose refractive index does not vary with time during operation, the stable proton exchange layer is configured to prevent the stable proton exchange layer from spontaneously undergoing a temporal variation in the refractive index without application of an electric field when a pseudo-phase matching condition of the stable proton exchange layer is satisfied,

wherein strain induced in the stable proton exchange layer during the forming of the optical wavelength conversion element is mitigated by a low-temperature annealing process after forming the optical wavelength conversion element.

79. (Previously Presented) A laser light source according to claim 78, wherein the optical wavelength conversion element has a modulation function.

80. (Previously Presented) A laser light source according to claim 78, wherein the optical wavelength conversion element is formed in an $\text{LiNb}_x\text{Ta}_{1-x}\text{O}_3$ ($0 \leq X \leq 1$) substrate.

81. (Cancelled).

82. (Previously Presented) A laser light source according to claim 78,
wherein an optical waveguide is formed on the optical wavelength conversion
element, and

wherein a width and a thickness of the optical waveguide are each 40 μm or
greater.

83. (Previously Presented) A laser light source according to claim 82,
wherein the optical wavelength conversion element has a modulation function.

84. (Previously Presented) A laser light source according to claim 82,
wherein the optical wavelength conversion element is formed in an $\text{LiNb}_x\text{Ta}_{1-x}\text{O}_3$ ($0 \leq x \leq 1$) substrate.

85. (Previously Presented) A laser light source according to claim 82,
wherein the optical waveguide is of a graded type.

86-87. (Cancelled).